



## Science Toolkit: Grade 8 Objective 1.B.1.e

Student Handout: Science: Grade 8 Objective 1.B.1.e

Standard 1.0 Skills and Processes

Topic B. Applying Evidence and Reasoning

Indicator 1. Review data from a simple experiment, summarize the data, and construct a logical argument about the cause-and-effect relationships in the experiment.

Objective e. Question claims based on vague statements or on statements made by people outside their area of expertise.

Selected Response (SR) Item

Question

Use the information below to answer the following.

Africa is a continent with many natural resources and a fast-growing human population. Humans use surface resources, such as soil, water, and wildlife, for daily living. In some areas of Africa, these surface resources are scarce due to use by humans. When an area loses surface resources, the humans living in that area must move to an area that has the resources they need. Some resources found beneath the surface of Earth are still plentiful. Resources found above and below the surface of Earth must be used wisely for future generations to survive.

Which question best represents a problem that a biologist would investigate?

- A. How does air pollution in southern Africa affect migrating birds?
- B. How does surface mining in Africa affect the rate of erosion?
- C. How do winds from Africa affect sand movement in Asia?
- D. How do earthquakes affect buildings in northern Africa?

Correct Answer

- A. How does air pollution in southern Africa affect migrating birds?

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